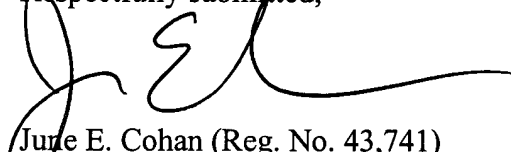


The Examiner has requested that Applicants provide information regarding other co-pending applications having one or more inventors in common with the instant application, or a common assignee, which claim and/or disclose the sequences under examination. Office Action dated May 23, 2001 at page 2.

To assist the Examiner, Applicants have attached a table containing sequences that have 90% or greater sequence similarity along 90% or more of the sequence length, as compared to the elected sequences in the present application. The table contains sequences disclosed in other U.S. patent applications either having common inventorship or under obligation of assignment to a common assignee (Monsanto Company).¹

Each of the presently pending claims in the application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue. The Examiner is invited to contact the undersigned at (202) 942-5068 with respect to any unresolved issues remaining in this application.

Respectfully submitted,



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Date: Sept 24, 2001

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¹ Due to the extensive nature of U.S. patent applications either having common inventorship or under obligation of assignment to a common assignee, Applicants are not asserting that the attached table is comprehensive.



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SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
1 (233)	09/873,402	06/05/2001	71748	93%	220/235
1 (233)	60/083,390	04/29/1998	1	97%	210/216
1 (233)	60/083,390	04/29/1998	2	94%	221/233
1 (233)	60/083,390	04/29/1998	3	94%	204/216
1 (233)	60/092,036	07/08/1998	160	97%	210/216
1 (233)	60/092,036	07/08/1998	161	94%	221/233
1 (233)	60/092,036	07/08/1998	162	94%	204/216
9 (263)	09/283,466	04/02/1999	23236	100%	245/245
9 (263)	09/300,482 <i>self</i>	04/28/1999	4	100%	245/245
9 (263)	60/083,386	04/29/1998	4062	100%	245/245
19(410)	60/101,347	09/22/1998	2301	99%	350/353
27(229)	09/300,482 <i>Self</i>	04/28/1999	27	100%	229/229
27(229)	09/333,535	06/14/1999	6002	100%	229/229
27(229)	09/552,086	04/19/2000	26409	100%	229/229
225 (316)	09/300,482 <i>Self</i>	04/28/1999	225	97%	307/316
225 (316)	09/696,664	10/25/2000	8026	96%	306/316
225 (316)	09/696,664	10/25/2000	16948	96%	306/316
225 (316)	09/696,664	10/25/2000	16869	96%	306/316
225 (316)	60/083,390	04/29/1998	210	97%	307/316
225 (316)	60/207,458	06/05/2001	54763	96%	305/316
225 (316)	60/207,458	06/05/2001	54841	96%	282/291
225 (316)	60/207,458	05/30/2000	107571	97%	307/316
225 (316)	60/207,458	05/30/2000	107547	97%	307/316
225 (316)	60/207,458	05/30/2000	106205	97%	307/316
225 (316)	60/207,458	05/30/2000	148092	97%	307/316
225 (316)	60/207,458	05/30/2000	143849	96%	307/317
225 (316)	60/207,458	05/30/2000	106828	96%	305/316
225 (316)	60/207,458	05/30/2000	109463	96%	304/316
225 (316)	60/207,458	05/30/2000	21118	96%	305/316
225 (316)	60/207,458	05/29/2001	63411	97%	307/316
225 (316)	60/207,458	05/29/2001	63387	97%	307/316
225 (316)	60/207,458	05/29/2001	62045	97%	307/316
225 (316)	60/207,458	05/29/2001	104172	97%	307/316
225 (316)	60/207,458	05/29/2001	99928	96%	307/317
225 (316)	60/207,458	05/29/2001	62668	96%	305/316
225 (316)	60/207,458	05/29/2001	65303	96%	304/316
225 (316)	60/209,830	06/06/2000	46122	96%	305/316
225 (316)	60/209,830	06/06/2000	46200	96%	282/291
298 (388)	09/300,482 <i>self</i>	04/28/1999	298	100%	388/388
298 (388)	09/391,630	07/16/1999	10037	100%	388/388

ABN

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ABN



SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
ABN 298 (388)	09/391,630	07/16/1999	2427	96%	372/384
298 (388)	09/391,630	07/16/1999	2443	97%	362/372
298 (388)	09/440,687	116/1999	360	100%	388/388
298 (388)	09/440,687	116/1999	19425	96%	372/384
298 (388)	09/440,687	116/1999	19422	97%	362/372
298 (388)	09/565,240	05/08/2000	48654	95%	359/374
298 (388)	09/615,606	07/13/2000	12507	100%	388/388
298 (388)	09/615,606	07/13/2000	43807	96%	372/384
298 (388)	09/615,606	07/13/2000	43823	97%	362/372
298 (388)	09/874,708	06/05/2001	27883	96%	360/372
298 (388)	60/109,018	118/1998	4280	99%	387/388
298 (388)	60/112,808	12/18/1998	400	96%	373/385
298 (388)	60/112,808	12/18/1998	3048	97%	359/370
298 (388)	60/133,692	05/10/1999	3992	95%	359/374
298 (388)	60/211,750	06/15/2000	27688	96%	360/372
311 (274)	09/244,000	02/08/1999	42596	97%	268/274
311 (274)	09/300,482	04/28/1999	311	100%	274/274
311 (274)	09/300,482	04/28/1999	310	97%	251/257
311 (274)	09/306,349	05/10/1999	39360	97%	251/257
311 (274)	09/565,240	05/08/2000	43845	96%	264/274
311 (274)	09/874,708	06/05/2001	11461	98%	264/269
311 (274)	60/074,567	02/12/1998	1067	97%	268/274
311 (274)	60/086,184	05/21/1998	2962	97%	251/257
311 (274)	60/133,692	05/10/1999	4309	96%	264/274
311 (274)	60/211,750	06/15/2000	11318	98%	264/269
356 (385)	09/300,482	04/28/1999	356	100%	377/377
356 (385)	09/300,482	04/28/1999	355	96%	333/346
356 (385)	09/394,745	09/15/1999	16489	96%	333/346
356 (385)	09/394,745	09/15/1999	49541	100%	377/377
356 (385)	09/394,745	05/07/1999	52273	100%	377/377
356 (385)	09/394,745	05/07/1999	19710	96%	333/346
356 (385)	09/565,386	05/04/2000	68991	100%	377/377
356 (385)	09/565,386	05/04/2000	34564	96%	333/346
356 (385)	09/849,526	05/07/2001	2981	96%	358/371
356 (385)	60/104,128	10/11/1998	1256	96%	341/355
356 (385)	60/202,214	05/08/2000	2981	96%	358/371
356 (385)	60/207,458	06/05/2001	69104	97%	361/371
356 (385)	60/207,458	06/05/2001	19954	96%	359/372
356 (385)	60/207,458	06/05/2001	20273	96%	358/372
356 (385)	60/207,458	05/30/2000	144631	97%	356/364
356 (385)	60/207,458	05/30/2000	103441	97%	362/372

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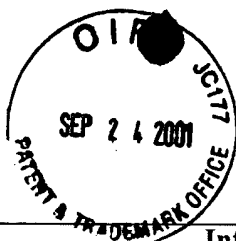
SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
356 (385)	60/207,458	05/30/2000	104315	96%	359/372
356 (385)	60/207,458	05/30/2000	104406	96%	351/364
356 (385)	60/207,458	05/30/2000	77943	95%	353/368
356 (385)	60/207,458	05/30/2000	77859	95%	353/368
356 (385)	60/207,458	05/30/2000	82243	95%	353/368
356 (385)	60/207,458	05/30/2000	82172	95%	353/368
356 (385)	60/207,458	05/30/2000	98059	96%	343/355
356 (385)	60/207,458	05/30/2000	98058	95%	347/365
356 (385)	60/207,458	05/29/2001	100710	97%	356/364
356 (385)	60/207,458	05/29/2001	59281	97%	362/372
356 (385)	60/207,458	05/29/2001	60155	96%	359/372
356 (385)	60/207,458	05/29/2001	60246	96%	351/364
356 (385)	60/207,458	05/29/2001	33646	95%	353/368
356 (385)	60/207,458	05/29/2001	33562	95%	353/368
356 (385)	60/207,458	05/29/2001	37946	95%	353/368
356 (385)	60/207,458	05/29/2001	37875	95%	353/368
356 (385)	60/207,458	05/29/2001	53896	96%	343/355
356 (385)	60/207,458	05/29/2001	53895	95%	347/365
356 (385)	60/207,458	05/29/2001	115017	95%	355/372
356 (385)	60/208,063	05/31/2000	20307	97%	361/371
356 (385)	60/208,063	05/31/2000	20216	97%	361/371
356 (385)	09/865,419	05/29/2001	37248	97%	361/371
356 (385)	09/865,419	05/29/2001	37157	97%	361/371
356 (385)	09/865,419	05/29/2001	52458	97%	363/372
356 (385)	60/209,830	06/06/2000	19911	96%	359/372
356 (385)	60/209,830	06/06/2000	20230	96%	358/372
569 (264)	09/244,000	02/08/1999	14070	98%	258/263
569 (264)	09/244,000	02/08/1999	96414	98%	253/257
569 (264)	09/244,000	02/08/1999	69340	99%	233/235
569 (264)	09/244,000	02/08/1999	74322	99%	233/234
569 (264)	09/244,000	02/08/1999	77138	96%	249/257
569 (264)	09/244,000	02/08/1999	91392	92%	229/247
569 (264)	09/263,191	03/05/1999	5606	96%	225/233
569 (264)	09/263,191	03/05/1999	23983	92%	235/255
569 (264)	09/283,466	04/02/1999	36125	97%	258/264
569 (264)	09/283,466	04/02/1999	39462	92%	220/237
569 (264)	09/300,482	04/28/1999	570	92%	229/247
569 (264)	09/300,482	04/28/1999	569	100%	264/264
569 (264)	09/300,482	04/28/1999	610	99%	263/264
569 (264)	09/300,482	04/28/1999	567	99%	263/264
569 (264)	09/300,482	04/28/1999	565	99%	263/264

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SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
569 (264)	09/300,482	04/28/1999	572	99%	263/264
569 (264)	09/300,482	04/28/1999	571	98%	252/256
569 (264)	09/300,482	04/28/1999	575	99%	231/233
569 (264)	09/300,482	04/28/1999	609	92%	237/255
569 (264)	09/300,482	04/28/1999	608	92%	237/255
569 (264)	09/300,482	04/28/1999	568	92%	237/255
569 (264)	09/300,482	04/28/1999	566	93%	216/231
569 (264)	09/300,482	04/28/1999	556	93%	216/231
569 (264)	09/300,482	04/28/1999	576	93%	216/231
569 (264)	09/300,482	04/28/1999	562	93%	216/231
569 (264)	09/300,482	04/28/1999	563	93%	216/231
569 (264)	09/300,482	04/28/1999	611	93%	215/231
569 (264)	09/300,482	04/28/1999	560	93%	216/231
569 (264)	09/306,349	05/10/1999	25109	98%	262/265
569 (264)	09/306,349	05/10/1999	5196	93%	216/231
569 (264)	09/306,349	05/10/1999	2798	93%	216/231
569 (264)	09/333,535	06/14/1999	7205	100%	264/264
569 (264)	09/333,535	06/14/1999	792	99%	263/264
569 (264)	09/333,535	06/14/1999	1069	93%	216/231
569 (264)	09/333,535	06/14/1999	9388	93%	216/231
569 (264)	09/391,630	09/08/1999	18853	93%	215/231
569 (264)	09/391,630	07/16/1999	9900	99%	263/264
569 (264)	09/391,630	07/16/1999	19732	92%	237/255
569 (264)	09/391,630	07/16/1999	30578	92%	237/255
569 (264)	09/391,630	07/16/1999	19976	93%	215/231
569 (264)	09/391,630	07/16/1999	43613	93%	215/231
569 (264)	09/440,687	116/1999	157	99%	263/264
569 (264)	09/440,687	116/1999	7705	92%	237/255
569 (264)	09/440,687	116/1999	2374	92%	237/255
569 (264)	09/440,687	116/1999	7949	93%	215/231
569 (264)	09/531,113	03/22/2000	27587	92%	229/247
569 (264)	09/531,113	03/22/2000	32047	99%	255/257
569 (264)	09/531,113	03/22/2000	15393	92%	237/255
569 (264)	09/531,113	03/22/2000	45813	93%	216/231
569 (264)	09/531,113	03/22/2000	20527	93%	216/231
569 (264)	09/531,113	03/22/2000	43782	93%	216/231
569 (264)	09/552,086	04/19/2000	25314	100%	264/264
569 (264)	09/552,086	04/19/2000	23275	93%	216/231
569 (264)	09/565,240	05/08/2000	41379	99%	263/264
569 (264)	09/565,240	05/08/2000	46020	92%	237/255
569 (264)	09/565,240	05/08/2000	47091	93%	216/231

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SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
569 (264)	09/615,606	07/13/2000	12370	99%	263/264
569 (264)	09/615,606	07/13/2000	1329	99%	263/264
569 (264)	09/615,606	07/13/2000	27502	92%	237/255
569 (264)	09/615,606	07/13/2000	79276	92%	237/255
569 (264)	09/615,606	07/13/2000	14536	92%	237/255
569 (264)	09/615,606	07/13/2000	84320	93%	216/231
569 (264)	09/615,606	07/13/2000	1693	93%	216/231
569 (264)	09/615,606	07/13/2000	27747	93%	215/231
569 (264)	09/615,606	07/13/2000	38862	93%	215/231
569 (264)	09/874,708	06/05/2001	63364	99%	260/261
569 (264)	09/874,708	06/05/2001	57655	99%	262/264
569 (264)	09/874,708	06/05/2001	16817	99%	245/247
569 (264)	09/874,708	06/05/2001	22701	99%	240/242
569 (264)	09/874,708	06/05/2001	79964	92%	237/255
569 (264)	09/874,708	06/05/2001	78932	92%	237/255
569 (264)	09/874,708	06/05/2001	62710	92%	237/255
569 (264)	09/874,708	06/05/2001	20598	92%	236/255
569 (264)	09/874,708	06/05/2001	80297	92%	227/245
569 (264)	09/874,708	06/05/2001	40970	93%	216/231
569 (264)	09/874,708	06/05/2001	77020	93%	216/231
569 (264)	09/874,708	06/05/2001	82447	93%	216/231
569 (264)	60/075,461	02/19/1998	4242	99%	233/235
569 (264)	60/075,462	02/19/1998	1383	98%	258/263
569 (264)	60/075,463	02/19/1998	5768	98%	253/257
569 (264)	60/075,463	02/19/1998	588	92%	229/247
569 (264)	60/077,229	03/09/1998	318	96%	225/233
569 (264)	60/078,368	03/18/1998	14384	92%	235/255
569 (264)	60/083,067	04/27/1998	7532	97%	258/264
569 (264)	60/083,067	04/27/1998	11014	92%	220/237
569 (264)	60/085,224	05/11/1998	95	93%	216/231
569 (264)	60/086,185	05/21/1998	9814	98%	262/265
569 (264)	60/086,339	05/21/1998	3753	99%	233/234
569 (264)	60/086,339	05/21/1998	6654	96%	249/257
569 (264)	60/089,524	06/16/1998	3921	99%	263/264
569 (264)	60/089,810	06/18/1998	2078	99%	256/257
569 (264)	60/109,018	11/8/1998	4890	99%	263/264
569 (264)	60/109,018	11/8/1998	1844	92%	237/255
569 (264)	60/111,981	12/11/1998	4745	92%	237/255
569 (264)	60/133,692	05/10/1999	6597	99%	263/264
569 (264)	60/133,692	05/10/1999	2433	92%	237/255
569 (264)	60/211,750	06/15/2000	62277	99%	260/261

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SEQ ID NO in 16517.216 (number of basepairs)	Information About Other Applications				
	Serial Number	Filing Date	Seq Id No.	Percent Similarity	Matching Bases/Total Length compared
569 (264)	60/211,750	06/15/2000	56568	99%	262/264
569 (264)	60/211,750	06/15/2000	16674	99%	245/247
569 (264)	60/211,750	06/15/2000	22506	99%	240/242
569 (264)	60/211,750	06/15/2000	78831	92%	237/255
569 (264)	60/211,750	06/15/2000	77799	92%	237/255
569 (264)	60/211,750	06/15/2000	61623	92%	237/255
569 (264)	60/211,750	06/15/2000	20455	92%	236/255
569 (264)	60/211,750	06/15/2000	79164	92%	227/245
569 (264)	60/211,750	06/15/2000	40526	93%	216/231
569 (264)	60/211,750	06/15/2000	75887	93%	216/231
569 (264)	60/211,750	06/15/2000	81314	93%	216/231
619 (300)	60/072,888	01/27/1998	471	100%	300/300
619 (300)	09/237,183	01/26/1999	276	100%	300/300
619 (300)	09/300,482	04/28/1999	619	100%	300/300
619 (300)	09/304,517	05/06/1999	10554	100%	300/300
619 (300)	09/304,517	08/09/1999	10554	100%	300/300
619 (300)	09/696,664	10/25/2000	7280	99%	295/296
619 (300)	09/733,089	12/11/2000	7749	92%	92/100
619 (300)	09/816,660	03/26/2001	7749	92%	92/100
619 (300)	60/083,390	04/29/1998	369	100%	300/300
619 (300)	60/161,619	10/26/1999	7119	99%	295/296
619 (300)	60/207,458	05/29/2001	11076	99%	298/300
619 (300)	60/208,063	05/31/2000	10992	99%	99/100
619 (300)	09/865,419	05/29/2001	51737	97%	290/298
619 (300)	09/865,419	05/29/2001	27895	99%	99/100

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